AIR QUALITY PERMIT

Issued To: Genesis Energy, Inc. Permit: #3877-00

P.O. Box 488 Application Complete: 09/11/06

Cut Bank, Montana 59427 Preliminary Determination Issued: 10/18/06

Department's Decision Issued: 11/03/06

Permit Final: 11/21/06 AFS: #073-0005

An air quality permit, with conditions, is hereby granted to Genesis Energy, Inc. (Genesis), pursuant to Sections 75-2-204 and 211 of the Montana Code annotated (MCA), as amended, and Administrative Rules of Montana (ARM) 17.8.740, *et seq.*, as amended, for the following:

SECTION I: Permitted Facilities

A. Permitted Equipment

MAQP #3877-00 is issued to Genesis for the construction and operation of the Lake Frances natural gas compressor engine. The facility consists of a natural gas fired, 4-cycle, rich-burn compressor engine up to 204-brake horsepower (bhp) with an air-fuel ratio (AFR) controller and a non-selective catalytic reduction (NSCR) unit. A further description of the permitted equipment is contained in Section I.A of the Permit Analysis.

B. Plant Location

The legal description for the compressor engine is the SE ¼ of the NW ¼ of Section 36, Township 29 North, Range 5 West in Pondera County, Montana.

SECTION II: Conditions and Limitations

A. Emission Limitations

- 1. The Lake Frances compressor engine shall be a 4-cycle, rich-burn engine. The maximum rated design capacity of the engine shall not exceed 204-brake horsepower (bhp) (ARM 17.8.749).
- 2. The compressor engine shall be controlled with a NSCR unit and an AFR controller. The pound per hour (lb/hr) emission limits for the engine shall be determined using the following equation and pollutant specific grams per brake horsepower-hour (g/bhp-hr) emission factors (ARM 17.8.752):

Equation

Emission Limit (lb/hr) = Emission Factor (g/bhp-hr)* maximum rated design capacity of engine (bhp) * 0.002205 lb/g

Emission Factors

Nitrogen Oxides (NO_X) 2.0 g/bhp-hr Carbon Monoxide (CO) 2.0 g/bhp-hr Volatile Organic Compounds (VOC) 1.0 g/bhp-hr

- 2. Genesis shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any sources installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304).
- 3. Genesis shall not cause or authorize the use of any street, road, or parking lot without taking reasonable precautions to control emissions of airborne PM (ARM 17.8.308).
- 4. Genesis shall treat all unpaved portions of the haul roads, access roads, parking lots, or general plant area with water and/or chemical dust suppressant as necessary to maintain compliance with the reasonable precautions limitation in Section II.A.3 (ARM 17.8.749).

B. Testing Requirements

- 1. The compressor engine shall be initially tested for NO_X and CO, concurrently, to demonstrate compliance with the emission limits contained in Section II.A.2. The initial source testing shall be conducted within 180 days of the initial start up date of the compressor engine. After the initial source test, additional testing shall continue on an every four-year basis or according to another testing/monitoring schedule as may be approved by the Department of Environmental Quality (Department) (ARM 17.8.105 and ARM 17.8.749).
- 2. All compliance source tests shall conform to the requirements of the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
- 3. The Department may require further testing (ARM 17.8.105).

C. Operational Reporting Requirements

- 1. Genesis shall supply the Department with annual production information for all emission points, as required by the Department in the annual emission inventory request. The request will include, but is not limited to, all sources of emissions identified in the emission inventory contained in the permit analysis.
 - Production information shall be gathered on a calendar-year basis and submitted to the Department by the date required in the emission inventory request. Information shall be in the units required by the Department. This information may be used to calculate operating fees, based on actual emissions from the facility, and/or to verify compliance with permit limitations (ARM 17.8.505).
- 2. Genesis shall notify the Department of any construction or improvement project conducted pursuant to ARM 17.8.745(1), that would include a change in control equipment, stack height, stack diameter, stack flow, stack gas temperature, source location or fuel specifications, or would result in an increase in source capacity above its permitted operation or the addition of a new emission unit. The notice must be submitted to the Department, in writing, 10 days prior to start up or use of the proposed de minimis change, or as soon as reasonably practicable in the event of an unanticipated circumstance causing the de minimis change, and must include the information requested in ARM 17.8.745(1)(d) (ARM 17.8.745).

3. All records compiled in accordance with this permit must be maintained by Genesis as a permanent business record for at least 5 years following the date of the measurement, must be available at the plant site for inspection by the Department, and must be submitted to the Department upon request (ARM 17.8.749).

D. Notification

- 1. Genesis shall provide the Department with written notification of construction, including purchase and installation, of the compressor engine within 30 days after commencement of construction (ARM 17.8.749).
- 2. Genesis shall provide the Department with written notification of the actual start-up date of Compressor engine within 15 days after the actual start-up date (ARM 17.8.749).

SECTION III: General Conditions

- A. Inspection Genesis shall allow the Department's representatives access to the source at all reasonable times for the purpose of making inspections or surveys, collecting samples, obtaining data, auditing any monitoring equipment, or observing any monitoring or testing, and otherwise conducting all necessary functions related to this permit.
- B. Waiver The permit and the terms, conditions, and matters stated herein shall be deemed accepted if Genesis fails to appeal as indicated below.
- C. Compliance with Statutes and Regulations Nothing in this permit shall be construed as relieving Genesis of the responsibility for complying with any applicable federal or Montana statute, rule, or standard, except as specifically provided in ARM 17.8.740, *et seq.* (ARM 17.8.756).
- D. Enforcement Violations of limitations, conditions and requirements contained herein may constitute grounds for permit revocation, penalties or other enforcement action as specified in Section 75-2-401, *et seq.*, Montana Code Annotated (MCA).
- E. Appeals Any person or persons jointly or severally adversely affected by the Department's decision may request, within 15 days after the Department renders its decision, upon affidavit setting forth the grounds therefore, a hearing before the Board of Environmental Review (Board). A hearing shall be held under the provisions of the Montana Administrative Procedures Act. The filing of a request for a hearing does not stay the Department's decision, unless the Board issues a stay upon receipt of a petition and a finding that a stay is appropriate under Section 75-2-211(11)(b), MCA. The issuance of a stay on a permit by the Board postpones the effective date of the Department's decision until conclusion of the hearing and issuance of a final decision by the Board. If a stay is not issued by the Board, the Department's decision on the application is final 16 days after the Department's decision is made.
- F. Permit Inspection As required by ARM 17.8.755, Inspection of Permit, a copy of the air quality permit shall be made available for inspection by the Department at the location of the source.

- G. Permit Fee Pursuant to Section 75-2-220, MCA, as amended by the 1991 Legislature, failure to pay the annual operation fee by Genesis may be grounds for revocation of this permit, as required by that section and rules adopted thereunder by the Board.
- H. Construction Commencement Construction must begin within 3 years of permit issuance and proceed with due diligence until the project is complete or the permit shall be revoked (ARM 17.8.762).

Permit Analysis Genesis Energy, Inc. Permit #3877-00

I. Introduction/Process Description

A. Permitted Equipment

Genesis Energy, Inc. (Genesis) is permitted for the construction and operation of a natural gas compressor engine located in the SE ¼ of the NW ¼ of Section 36, Township 29 North, Range 5 West, in Pondera County, Montana. The facility consists of a natural gas fired, 4-cycle, rich-burn compressor engine up to 204-brake horsepower (bhp) with an air-fuel ratio (AFR) controller and a non-selective catalytic reduction (NSCR). The facility is known as the Lake Frances Compressor Station.

B. Source Description

The purpose of adding the compressor engine is to increase the pressure of the gas entering the facility. In late 2005, Genesis began construction of a 3.5 mile gas gathering line to allow the new Lake Frances Gas production field to be gathered separately from the Williams Gas Field. In 2006, Genesis proposed to add a smaller booster compressor to accommodate the expanded gathering system.

II. Applicable Rules and Regulations

The following are partial explanations of some applicable rules and regulations that apply to the facility. The complete rules are stated in the Administrative Rules of Montana (ARM) and are available, upon request, from the Department of Environmental Quality (Department). Upon request, the Department will provide references for location of complete copies of all applicable rules and regulations or copies where appropriate.

A. ARM 17.8, Subchapter 1 – General Provisions, including but not limited to:

- 1. <u>ARM 17.8.101 Definitions</u>. This rule includes a list of applicable definitions used in this chapter, unless indicated otherwise in a specific subchapter.
- 2. <u>ARM 17.8.105 Testing Requirements</u>. Any person or persons responsible for the emission of any air contaminant into the outdoor atmosphere shall, upon written request of the Department, provide the facilities and necessary equipment (including instruments and sensing devices) and shall conduct tests, emission or ambient, for such periods of time as may be necessary using methods approved by the Department.
- 3. <u>ARM 17.8.106 Source Testing Protocol</u>. The requirements of this rule apply to any emission source testing conducted by the Department, any source or other entity as required by any rule in this chapter, or any permit or order issued pursuant to this chapter, or the provisions of the Clean Air Act of Montana, 75-2-101, *et seq.*, Montana Code Annotated (MCA).

Genesis shall comply with the requirements contained in the Montana Source Test Protocol and Procedures Manual, including, but not limited to, using the proper test methods and supplying the required reports. A copy of the Montana Source Test Protocol and Procedures Manual is available from the Department upon request.

- 4. <u>ARM 17.8.110 Malfunctions</u>. (2) The Department must be notified promptly, by telephone, whenever a malfunction occurs that can be expected to create emissions in excess of any applicable emission limitation or to continue for a period greater than 4 hours.
- 5. ARM 17.8.111 Circumvention. (1) No person shall cause or permit the installation or use of any device or any means that, without resulting in reduction of the total amount of air contaminant emitted, conceals or dilutes an emission of air contaminant that would otherwise violate an air pollution control regulation. (2) No equipment that may produce emissions shall be operated or maintained in such a manner as to create a public nuisance.
- B. ARM 17.8, Subchapter 2 Ambient Air Quality, including, but not limited to the following:
 - 1. ARM 17.8.204 Ambient Air Monitoring
 - 2. ARM 17.8.210 Ambient Air Quality Standards for Sulfur Dioxide
 - 3. ARM 17.8.211 Ambient Air Quality Standards for Nitrogen Dioxide
 - 4. ARM 17.8.212 Ambient Air Quality Standards for Carbon Monoxide
 - 5. ARM 17.8.213 Ambient Air Quality Standard for Ozone
 - 6. ARM 17.8.214 Ambient Air Quality Standard for Hydrogen Sulfide
 - 7. ARM 17.8.220 Ambient Air Quality Standard for Settled Particulate Matter
 - 8. ARM 17.8.221 Ambient Air Quality Standard for Visibility
 - 9. ARM 17.8.222 Ambient Air Quality Standard for Lead
 - 10. ARM 17.8.223 Ambient Air Quality Standard for PM₁₀

Genesis must maintain compliance with the applicable ambient air quality standards.

- C. ARM 17.8, Subchapter 3 Emission Standards, including, but not limited to:
 - 1. <u>ARM 17.8.304 Visible Air Contaminants</u>. This rule requires that no person may cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes.
 - 2. <u>ARM 17.8.308 Particulate Matter, Airborne.</u> (1) This rule requires an opacity limitation of 20% for all fugitive emission sources and that reasonable precautions are taken to control emissions of airborne particulate matter (PM). (2) Under this rule, Genesis shall not cause or authorize the use of any street, road, or parking lot without taking reasonable precautions to control emissions of airborne PM.
 - 3. <u>ARM 17.8.309 Particulate Matter, Fuel Burning Equipment</u>. This rule requires that no person shall cause, allow, or permit to be discharged into the atmosphere PM caused by the combustion of fuel in excess of the amount determined by this rule.
 - 4. <u>ARM 17.8.310 Particulate Matter, Industrial Process</u>. This rule requires that no person shall cause, allow, or permit to be discharged into the atmosphere PM in excess of the amount set forth in this rule.
 - 5. <u>ARM 17.8.322 Sulfur Oxide Emissions--Sulfur in Fuel</u>. (4) Commencing July 1, 1972, no person shall burn liquid or solid fuels containing sulfur in excess of 1 pound of sulfur per million Btu fired. (5) Commencing July 1, 1971, no person shall burn any gaseous fuel

- containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions. Genesis will burn pipeline quality natural gas in its compressor engine, which will meet this limitation.
- 6. ARM 17.8.324 Hydrocarbon Emissions--Petroleum Products. (3) No person shall load or permit the loading of gasoline into any stationary tank with a capacity of 250 gallons or more from any tank truck or trailer, except through a permanent submerged fill pipe, unless such tank is equipped with a vapor loss control device as described in (1) of this rule.
- 7. ARM 17.8.340 Standard of Performance for New Stationary Sources and Emission Guidelines for Existing Sources. This rule incorporates, by reference, 40 CFR 60, Standards of Performance for New Stationary Sources (NSPS). This facility is not an NSPS affected source because it does not meet the definition of any NSPS subpart defined in 40 CFR 60.

Genesis is not an NSPS affected source because it does not meet the definition of a natural gas processing plant defined in 40 CFR 60, Subpart KKK, nor does it process sweet gas as regulated by Subpart LLL.

- 8. ARM 17.8.342 Emission Standards for Hazardous Air Pollutants for Source Categories. A major Hazardous Air Pollutant (HAP) source, as defined and applied in 40 CFR 63, shall comply with the requirements of 40 CFR 63, as applicable, including the following subparts:
 - 40 CFR 63, Subpart HH National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.
 - 40 CFR 63, Subpart HHH National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities.

Based on the information submitted by Genesis, the Lake Frances Compressor Station is not subject to the provisions of 40 CFR Part 63, because the facility is not a major source of HAPs.

- D. ARM 17.8, Subchapter 4 Stack Height and Dispersion Techniques, including, but not limited to:
 - 1. <u>ARM 17.8.401 Definitions</u>. This rule includes a list of definitions used in this chapter, unless indicated otherwise in a specific subchapter.
 - 2. <u>ARM 17.8.402 Requirements</u>. Genesis must demonstrate compliance with the ambient air quality standards with a stack height that does not exceed Good Engineering Practices (GEP). The proposed height of the new or altered stack for Genesis is below the allowable 65-meter GEP stack height.
- E. ARM 17.8, Subchapter 5 Air Quality Permit Application, Operation and Open Burning Fees, including, but not limited to:
 - 1. <u>ARM 17.8.504 Air Quality Permit Application Fees</u>. This rule requires that an applicant submit an air quality permit application fee concurrent with the submittal of an air quality permit application. A permit application is incomplete until the proper application fee is paid to the Department. Genesis submitted the appropriate permit application fee for the current permit action.

- 2. ARM 17.8.505 Air Quality Operation Fees. An annual air quality operation fee must, as a condition of continued operation, be submitted to the Department by each source of air contaminants holding an air quality permit (excluding an open burning permit) issued by the Department. The air quality operation fee is based on the actual or estimated actual amount of air pollutants emitted during the previous calendar year.
 - An air quality operation fee is separate and distinct from an air quality permit application fee. The annual assessment and collection of the air quality operation fee, described above, shall take place on a calendar-year basis. The Department may insert into any final permit issued after the effective date of these rules, such conditions as may be necessary to require the payment of an air quality operation fee on a calendar-year basis, including provisions that prorate the required fee amount.
- F. ARM 17.8, Subchapter 7 Permit, Construction and Operation of Air Contaminant Sources, including, but not limited to:
 - 1. <u>ARM 17.8.740 Definitions</u>. This rule is a list of applicable definitions used in this chapter, unless indicated otherwise in a specific subchapter.
 - 2. ARM 17.8.743 Montana Air Quality Permits--When Required. This rule requires a facility to obtain an air quality permit or permit modification if they construct, modify or use any air contaminant sources that have the Potential to Emit (PTE) greater than 25 tons per year of any pollutant. Genesis has the PTE of more than 25 tons per year of Oxides of Nitrogen (NO_x) and Carbon Monoxide (CO); therefore, an air quality permit is required.
 - 3. <u>ARM 17.8.744 Montana Air Quality Permits--General Exclusions</u>. This rule identifies the activities that are not subject to the Montana Air Quality Permit (MAQP) program.
 - 4. <u>ARM 17.8.745 Montana Air Quality Permits--Exclusion for De Minimis Changes</u>. This rule identifies the de minimis changes at permitted facilities that are not subject to the MAQP program.
 - 5. ARM 17.8.748 New or Modified Emitting Units--Permit Application Requirements. (1) This rule requires that a permit application be submitted prior to installation, alteration or use of a source. Genesis submitted the required permit application for the current permit action. (7) This rule requires that the applicant notify the public by means of legal publication in a newspaper of general circulation in the area affected by the application for a permit. Genesis submitted an affidavit of publication of public notice for the August 24, 2006 issue of *The Independent-Observer*, a newspaper of general circulation in Pondera County, as proof of compliance with the public notice requirements.
 - 6. ARM 17.8.749 Conditions for Issuance or Denial of Permit. This rule requires that the permits issued by the Department must authorize the construction and operation of the facility or emitting unit subject to the conditions in the permit and the requirements of this subchapter. This rule also requires that the permit must contain any conditions necessary to assure compliance with the Federal Clean Air Act (FCAA), the Clean Air Act of Montana, and rules adopted under those acts.
 - 7. <u>ARM 17.8.752 Emission Control Requirements</u>. This rule requires a source to install the maximum air pollution control capability that is technically practicable and economically feasible, except that Best Available Control Technology (BACT) shall be utilized. The required BACT analysis is included in Section III of this permit analysis.

- 8. <u>ARM 17.8.755 Inspection of Permit</u>. This rule requires that air quality permits shall be made available for inspection by the Department at the location of the source.
- 9. <u>ARM 17.8.756 Compliance with Other Requirements</u>. This rule states that nothing in the permit shall be construed as relieving Genesis of the responsibility for complying with any applicable federal or Montana statute, rule, or standard, except as specifically provided in ARM 17.8.740, *et seq*.
- 10. <u>ARM 17.8.759 Review of Permit Applications</u>. This rule describes the Department's responsibilities for processing permit applications and making permit decisions on those permit applications that do not require the preparation of an environmental impact statement.
- 11. ARM 17.8.762 Duration of Permit. An air quality permit shall be valid until revoked or modified, as provided in this subchapter, except that a permit issued prior to construction of a new or altered source may contain a condition providing that the permit will expire unless construction is commenced within the time specified in the permit, which in no event may be less than 1 year after the permit is issued.
- 12. <u>ARM 17.8.763 Revocation of Permit</u>. An air quality permit may be revoked upon written request of the permittee, or for violations of any requirement of the Clean Air Act of Montana, rules adopted under the Clean Air Act of Montana, the FCAA, rules adopted under the FCAA, or any applicable requirement contained in the Montana State Implementation Plan (SIP).
- 13. ARM 17.8.764 Administrative Amendment to Permit. An air quality permit may be amended for changes in any applicable rules and standards adopted by the Board of Environmental Review (Board) or changed conditions of operation at a source or stack that does not result in an increase of emissions as a result of those changed conditions. The owner or operator of a facility may not increase the facility's emissions beyond permit limits unless the increase meets the criteria in ARM 17.8.745 for a de minimis change not requiring a permit, or unless the owner or operator applies for and receives another permit in accordance with ARM 17.8.748, ARM 17.8.749, ARM 17.8.752, ARM 17.8.755, and ARM 17.8.756, and with all applicable requirements in ARM Title 17, Chapter 8, Subchapters 8, 9, and 10.
- 14. <u>ARM 17.8.765 Transfer of Permit</u>. This rule states that an air quality permit may be transferred from one person to another if written notice of Intent to Transfer, including the names of the transferor and the transferee, is sent to the Department.
- G. ARM 17.8, Subchapter 8 Prevention of Significant Deterioration of Air Quality, including, but not limited to:
 - 1. <u>ARM 17.8.801 Definitions</u>. This rule is a list of applicable definitions used in this subchapter.
 - 2. ARM 17.8.818 Review of Major Stationary Sources and Major Modifications--Source Applicability and Exemptions. The requirements contained in ARM 17.8.819 through ARM 17.8.827 shall apply to any major stationary source and any major modification, with respect to each pollutant subject to regulation under the FCAA that it would emit, except as this subchapter would otherwise allow.

This facility is not a major stationary source since this facility is not a listed source and the facility's PTE is below 250 tons per year of any pollutant (excluding fugitive emissions).

- H. ARM 17.8, Subchapter 12 Operating Permit Program Applicability, including, but not limited to:
 - 1. <u>ARM 17.8.1201 Definitions</u>. (23) Major Source under Section 7412 of the FCAA is defined as any source having:
 - a. PTE > 100 tons/year of any pollutant;
 - b. PTE > 10 tons/year of any one HAP, PTE > 25 tons/year of a combination of all HAPs, or lesser quantity as the Department may establish by rule; or
 - c. PTE > 70 tons/year of Particulate Matter with an Aerodynamic Diameter of Ten Microns or Less (PM_{10}) in a serious PM_{10} nonattainment area.
 - 2. <u>ARM 17.8.1204 Air Quality Operating Permit Program</u>. (1) Title V of the FCAA amendments of 1990 requires that all sources, as defined in ARM 17.8.1204(1), obtain a Title V Operating Permit. In reviewing and issuing Permit #3877-00 for Genesis, the following conclusions were made:
 - a. The facility's PTE is less than 100 tons/year for any pollutant.
 - b. The facility's PTE is less than 10 tons/year for any one HAP, and less than 25 tons/year for all HAPs.
 - c. This source is not located in a serious PM₁₀ nonattainment area.
 - d. This facility is not subject to any current NSPS.
 - e. This facility is not subject to any current National Emission Standards for Hazardous Air Pollutants (NESHAP) standards.
 - f. This source is not a Title IV affected source, nor a solid waste combustion unit.
 - g. This source is not an Environmental Protection Agency (EPA) designated Title V source.

Based on these facts, the Department determined that the Genesis facility will be a minor source of emissions as defined under Title V.

III. BACT Determination

A BACT determination is required for each new or altered source. Genesis shall install on the new or altered source the maximum air pollution control capability, which is technically and economically feasible, except that BACT shall be utilized.

A BACT analysis was submitted by Genesis with Permit Application #3877-00 addressing some available methods of controlling emissions from the Lake Frances Compressor Station. The Department reviewed these methods, as well as previous BACT determinations in order to make the following BACT determination.

A. CO BACT

As part of the CO BACT analysis, the following control technologies were reviewed:

- Lean-burn engine with a catalytic oxidation unit and an AFR controller;
- Lean-burn engine with a catalytic oxidation unit;
- Lean-burn engine with an NSCR unit and an AFR controller;
- Lean-burn engine with an NSCR unit;
- Lean-burn engine with an AFR controller;
- Lean-burn engine with no additional controls;
- Rich-burn engine with a catalytic oxidation unit and an AFR controller;
- Rich-burn engine with a catalytic oxidation unit;
- Rich-burn engine with an NSCR unit and an AFR controller;
- Rich-burn engine with an NSCR unit;
- Rich-burn engine with an AFR controller; and
- Rich-burn engine with no additional controls.

Catalytic oxidation applied to a rich-burn is technically infeasible because the oxygen concentration from a rich-burn engine is not high enough for a catalytic oxidizer to operate properly. An NSCR unit applied to a lean-burn engine or lean-burn retrofit engine is also technically infeasible because the NSCR unit needs a rich fuel-to-air ratio to operate effectively. Lastly, lean-burn compressor engines under 400-hp are not available, therefore, all lean-burn engine options are not technically feasible.

Technically feasible control options, in order of the highest control efficiency to the lowest control efficiency, include:

Control Technology	% Control	CO Emission Rate (g/bhp-hr)
Rich-burn with NSCR and AFR	90-95%	2.0
Rich-burn with NSCR only	85%	2.0
Rich-burn with AFR		34.0
Rich-burn without control		34.0

An NSCR unit controls CO emissions by using available CO and residual hydrocarbons in the exhaust of a rich-burn engine as a NO_x reducing agent. Without the catalyst, in the presence of oxygen, the hydrocarbons will be oxidized instead of reacting with NO_x . As the excess hydrocarbon and NO_x pass over a honeycomb or monolithic catalyst (usually a combination of noble metals such as platinum, palladium, and/or rhodium), the reactants are reduced to Nitrogen (N_2) , Water (H_2O) , and Carbon Dioxide (CO_2) . The noble metal catalyst usually operates between 800 degrees Fahrenheit (°F) and 1,200 °F; therefore, the unit would normally be mounted near the engine exhaust to maintain a high enough temperature to allow the various reactions to occur. In order to achieve maximum performance, the engine must burn a rich fuel mixture, causing the engine to operate less efficiently.

In order to provide for the most effective use of the catalyst in an NSCR unit, it is necessary to install an electronic AFR controller. This device maintains the proper air-to-fuel ratio. Maintaining the proper air-to-fuel ratio increases fuel efficiency, optimizes the level of reducing agents, and minimizes agents that can poison the catalyst; thus, provides for the maximum CO emission reduction.

The table below shows the cost per ton of CO reduction achieved for the remaining control option.

Cost Effectiveness

Control Technology	Total Annual Cost (\$)	Resulting CO Emissions (tpy)	Cost Effectiveness (\$/ton)
Baseline Emissions			
Rich-burn engine without control		67.0	
Controlled Emissions			
Rich-burn engine with NSCR and AFR	\$5070.00	3.94	\$80.43
Rich-burn engine with AFR	\$2950.00	67.0	\$45.38
Rich-burn engine with NSCR	\$2120.00	NA	NSCR not considered effective w/o AFR

After carefully reviewing control options and cost effectiveness, and as proposed by Genesis, the Department determined that an NSCR unit with an AFR controller constitutes BACT for the reduction of CO emissions resulting from the operation of the proposed 204-bhp natural gas compressor engine. NSCR/AFR control typically constitutes BACT for rich-burn compressor engines. NSCR/AFR control effectively reduces CO emissions and represents a technically, economically, and environmentally feasible option for the control of CO emissions resulting from internal combustion engines such as those proposed for the current permit action.

Further, it has been demonstrated that these technologies operated together are capable of achieving the pound per hour BACT emission limit for CO, established in Section II.A of Permit #3877-00. Because the highest technically feasible control option was determined to be BACT, the remaining technically feasible control options (rich-burn engine with an NSCR unit; rich-burn engine with an AFR controller; and rich-burn engine with no additional control) do not need to be further reviewed.

The BACT limit will be 2.0 g/bhp-hr for CO. This limit is comparable to other recently permitted sources.

B. NO_X BACT

As part of the NO_X BACT analyses, the following control technologies were reviewed:

- Lean-burn engine with selective catalytic oxidation (SCR) unit and AFR controller;
- Lean-burn engine with a SCR unit;
- Lean-burn engine with an NSCR unit and an AFR controller;
- Lean-burn engine with an NSCR unit;
- Lean-burn engine with an AFR controller;
- Lean-burn engine with no additional controls;
- Rich-burn engine with an SCR and an AFR controller;
- Rich-burn engine with an SCR unit;
- Rich-burn engine with an NSCR unit and an AFR controller;
- Rich-burn engine with an NSCR unit;
- Rich-burn engine with an AFR controller; and
- Rich-burn engine with no additional controls.

SCR applied to rich-burn engines is technically infeasible because the oxygen concentration from rich-burn engines is not high enough for an SCR to operate properly. Furthermore, adverse environmental impacts could occur with an SCR unit operating on lean-burn engines at variable loads as required by a typical compressor engine. SCR units are typically installed on process units that have a constant or low variability in load fluctuation. When engine load changes excess ammonia (ammonia slip) may pass through the system and out the stack or not enough ammonia will be injected. SCR units are technically infeasible because of the potential adverse environmental impacts from the typical load fluctuations that are required for compressor engines. SCR units have not been installed on lean-burn compressor engines in Montana.

NSCR on lean-burn engines is technically infeasible because the engine must burn a rich fuel mixture for the NSCR to properly operate. Lastly, lean-burn compressor engines under 400-hp are not available, therefore, all lean-burn engine options are not technically feasible. Therefore, the Department determined that all of the control options associated with lean-burn engines are technically infeasible and will not constitute BACT for the proposed compressor engine.

Technically feasible control options, in order of the highest control efficiency to the lowest control efficiency, include: rich-burn engine with an NSCR unit and an AFR controller; rich-burn engine with an NSCR unit; rich-burn engine with an AFR controller; and rich-burn engine with no additional control.

Control Technology	% Control	CO Emission Rate (g/bhp-hr)
Rich-burn with NSCR and AFR	80-90%	2.0
Rich-burn with NSCR only	80%	2.0
Rich-burn with AFR		7.0
Rich-burn without control		16.0

An NSCR unit controls NO_x emissions by using available CO and residual hydrocarbons in the exhaust of a rich-burn engine as a NO_x reducing agent. Without the catalyst, in the presence of oxygen, the hydrocarbons will be oxidized instead of reacting with NO_x . As the excess hydrocarbon and NO_x pass over a honeycomb or monolithic catalyst (usually a combination of noble metals such as platinum, palladium, and/or rhodium), the reactants are reduced to N_2 , H_2O , and CO_2 . The noble metal catalyst usually operates between 800° F and $1,200^\circ$ F; therefore, the unit would normally be mounted near the engine exhaust to maintain a high enough temperature to allow the various reactions to occur. In order to achieve maximum performance, 80% to 90% reduction of NO_x concentration, the engine must burn a rich fuel mixture, causing the engine to operate less efficiently.

In order to provide for the most effective use of the catalyst in an NSCR unit, it is necessary to install an electronic AFR controller. This device maintains the proper air-to-fuel ratio. Maintaining the proper air-to-fuel ratio increases fuel efficiency, optimizes the level of reducing agents, and minimizes agents that can poison the catalyst; thus, provides for the maximum NO_x emission reduction.

The table below shows the cost per ton of NO_x reduction achieved for the remaining control option.

Cost Effectiveness

Control Technology	Total Annual Cost (\$)	Resulting NOx Emissions (tpy)	Cost Effectiveness (\$/ton)
Baseline Emissions			
Rich-burn engine without control		31.52	Zero cost option
Controlled Emissions			
Rich-burn engine with NSCR and AFR	\$5070.00	3.94	\$183.82
Rich-burn engine with AFR	\$2950.00	13.8	\$166.40
Rich-burn engine with NSCR only	\$2120.00	NA	NA (not considered effective without AFR)

As proposed by Genesis, the Department determined that an NSCR unit with an AFR controller constitutes BACT for the reduction of NO_x emissions resulting from the operation of the proposed natural gas compressor engine. NSCR/AFR control typically constitutes BACT for rich-burn compressor engines. NSCR/AFR controls effectively reduce NO_x emissions and represents a technically, economically, and environmentally feasible option for the control of NO_x emissions resulting from internal combustion engines such as those proposed for the current permit action. Further, it has been demonstrated that these technologies operated together are capable of achieving the pound per hour BACT emission limit for NO_x established in Section II.A of MAQP #3877-00. Because the highest technically feasible control option was determined to be BACT and this determination is consistent with other recently permitted similar sources, the remaining technically feasible control options (rich-burn engine with an NSCR unit; rich-burn engine with an AFR controller; and rich-burn engine with no additional control) do not need to be further reviewed.

The BACT limit will be 2.0 g/bhp-hr for NO_x . This limit is comparable to other recently permitted sources.

C. VOC BACT

The Department is not aware of any BACT determinations that have required controls for Volatile Organic Compound (VOC) emissions from compressor engines. Due to the relatively small amount of VOC emissions from the proposed compressor engine, any add-on controls would be cost prohibitive. Genesis did not propose any additional controls for VOC. The Department determined that no additional controls and best management practices will constitute BACT for VOC emissions. Best management practices would include operating the equipment as it was designed to be operated and fixing any malfunctions as soon as reasonably practicable.

The BACT limit will be 1.0 g/bhp-hr for VOC. This limit is comparable to other recently permitted sources.

D. PM₁₀ and SO₂ BACT

The Department is not aware of any BACT determinations that have required controls for PM_{10} or sulfur dioxide (SO_2) emissions from natural gas-fired compressor engines. Due to the relatively small amount of PM_{10} and SO_2 emissions from the proposed engine and the cost of adding additional control, any add-on controls would be cost prohibitive. Therefore, the Department determined no additional controls and burning pipeline quality natural gas would constitute BACT for PM_{10} and SO_2 emissions for the proposed compressor engine.

IV. Emission Inventory

Tons/year (TPY)							
Source	PM_{10}	NO_x	VOC	CO	SO_x		
Waukesha F817 G compressor engine	0.067	3.94	1.97	3.94	0.00415		
Total	0.067	3.94	1.97	3.94	0.00415		

204-bhp Natural Gas-Fired Rich-burn Engine

Brake Horsepower: 204 bhp Fuel Consumption: 1.61 MMBtu/hr Hours of operation: 8760 hr/yr

PM₁₀ Emissions

Emission Factor: 0.0095 lb/MMBtu (AP-42, Chapter 3, Table 3.2-3, 7/00)

Calculations: 1.61 MMBtu/hr * 0.0095 lb/MMBtu = 0.015 lb/hr

0.015 lb/hr * 8760 hr/hr * 0.0005 ton/lb = 0.067 ton/yr

NO_x Emissions

Emission factor: 2.00 gram/bhp-hour (BACT Determination)
Calculations: 2.00 gram/bhp-hour * 204 bhp * 0.002205 lbs/gram = 0.90 lb/hr

0.90 lb/hr * 8760 hr/yr * 0.0005 ton/lb = 3.94 ton/yr

VOC Emissions

Emission factor: 1.00 gram/bhp-hour (BACT Determination) Calculations: 1.00 gram/bhp-hour * 204 bhp * 0.002205 lbs/gram = 0.45 lb/hr

0.45 lb/hr * 8760 hr/yr * 0.0005 ton/lb = 1.97 ton/yr

CO Emissions

Emission factor: 2.00 gram/bhp-hour (BACT Determination)
Calculations: 2.00 gram/bhp-hour * 204 bhp * 0.002205 lbs/gram = 0.90 lb/hr

0.90 lb/hr * 8760 hr/yr * 0.0005 ton/lb = 3.94 ton/yr

SO₂ Emission

Emission factor: 5.88E-04 lb/MMBtu (AP-42, Chapter 3, Table 3.2-3, 7/00)

Calculations: $1.61 \text{ MMBtu/hr} * 5.88E-04 \text{ lb/MMBtu} = 0.00095 \text{ lb/hr} \\ 0.00095 \text{ lb/hr} * 8760 \text{ hr/hr} * 0.0005 \text{ ton/lb} = 0.00415 \text{ ton/yr}$

V. Existing Air Quality

The Lake Frances Compressor Station is located in the SE¹/₄ of the NW¹/₄ of Section 36, Township 29 North, Range 5 West in Pondera County, Montana. Pondera County is unclassifiable/attainment for the National Ambient Air Quality Standards (NAAQS) for all criteria pollutants.

VI. Ambient Air Impact Analysis

Because controlled emissions from this permitting action would exhibit good dispersion characteristics, the Department believes that controlled emissions from the source will not cause or contribute to a violation of any ambient air quality standard.

VII. Taking or Damaging Implication Analysis

As required by 2-10-105, MCA, the Department conducted a private property taking and damaging assessment and determined there are no taking or damaging implications.

VIII.Environmental Assessment

An environmental assessment, required by the Montana Environmental Policy Act, was completed for this project. A copy is attached.

DEPARTMENT OF ENVIRONMENTAL QUALITY

Permitting and Compliance Division Air Resources Management Bureau P.O. Box 200901, Helena, Montana 59620 (406) 444-3490

ENVIRONMENTAL ASSESSMENT (EA)

Issued To: Genesis Energy, Inc.

P.O. Box 488

Cut Bank, MT 59427

Air Quality Permit Number: 3877-00

Preliminary Determination Issued: 10/18/2006

Department Decision Issued: 11/03/06

Permit Final: 11/21/06

- 1. *Legal Description of Site:* Genesis proposes to construct and operate a natural gas compressor engine located in the SE ¼ of the NW ¼ of Section 36, Township 29 North, Range 5 West in Pondera County, Montana. The facility is known as the Lake Frances Compressor Station.
- 2. *Description of Project:* A brief description of the project reviewed as MAQP #3877-00 is a natural gas fired, 4-cycle, rich-burn compressor engine (up to 204-bhp) equipped with an air-to-fuel controller (AFRC) and a NSCR unit.
- 3. *Objectives of Project*: Genesis proposes to operate a natural gas compressor engine at the above mentioned site to increase the pressure of the gas entering the facility.
- 4. Alternatives Considered: In addition to the proposed action, the Department also considered the "no-action" alternative. The "no-action" alternative would deny issuance of the MAQP to the proposed facility. However, the Department does not consider the "no-action" alternative to be appropriate because Genesis demonstrated compliance with all applicable rules and regulations as required for permit issuance. Therefore, the "no-action" alternative was eliminated from further consideration.
- 5. A Listing of Mitigation, Stipulations, and Other Controls: A list of enforceable conditions, including a BACT analysis, would be included in MAQP #3877-00.
- 6. Regulatory Effects on Private Property: The Department considered alternatives to the conditions imposed in this permit as part of the permit development. The Department determined that the permit conditions would be reasonably necessary to ensure compliance with applicable requirements and demonstrate compliance with those requirements and would not unduly restrict private property rights.

7. The following table summarizes the potential physical and biological effects of the proposed project on the human environment. The "no-action" alternative was discussed previously.

		Major	Moderate	Minor	None	Unknown	Comments Included
Α	Terrestrial and Aquatic Life and Habitats			X			Yes
В	Water Quality, Quantity, and Distribution				X		Yes
С	Geology and Soil Quality, Stability and Moisture			X			Yes
D	Vegetation Cover, Quantity, and Quality			X			Yes
Е	Aesthetics			X			Yes
F	Air Quality			X			Yes
G	Unique Endangered, Fragile, or Limited Environmental Resources			X			Yes
Н	Demands on Environmental Resource of Water, Air and Energy			X			Yes
I	Historical and Archaeological Sites				X		Yes
J	Cumulative and Secondary Impacts			X			Yes

SUMMARY OF COMMENTS ON POTENTIAL PHYSICAL AND BIOLOGICAL EFFECTS: The following comments have been prepared by the Department.

A. Terrestrial and Aquatic Life and Habitats

A slight increase in NO_x, CO, and VOC emissions may be expected in this area, as a result of this project, but the emissions would have only a minor impact on existing terrestrial, aquatic life, and habitats of the area. The proposed project is located in a remote area where the previous land use was farmland. According to the applicant, the property was most recently enrolled under the United States Department of Agriculture's (USDA's) Conservation Reserve Program (CRP) and there will be little disruptions to the surroundings. Therefore, the Department has determined that any impacts from emissions or deposition of pollutants would be minor due to dispersion characteristics of the pollutants, the atmosphere, and the conditions that would be placed in MAQP #3877-00.

B. Water Quality, Quantity, and Distribution

This permitting action would have little or no effect on the water quality, water quantity, and distribution, as there would be no discharges to groundwater or surface water associated with this project. The proposed project would not require any additional water use. In fact, the area was previously irrigated and with the new land use and CRP designation, water quality, quantity, and distribution would likely improve.

C. Geology and Soil Quality, Stability, and Moisture

This permitting action would have a minor effect on geology and soil properties with the total land disturbance being approximately 0.07 acres. Some minor disturbance would occur during construction of the compressor station, but after construction, the only disturbance would be for occasional maintenance and general operation of the compressor engine. The slight increase in NO_x, CO_x and VOC emissions in the area from this project may have a minor effect on the soil

quality; however, the air quality permit associated with this project would contain limitations and conditions to minimize the effect of the emissions on the surrounding environment. The Department determined that any impacts from deposition would be minor due to dispersion characteristics of pollutants, the atmosphere, and conditions that would be placed in MAQP #3877-00 (see section 7.F of this EA).

D. Vegetation Cover, Quantity, and Quality

This permitting action would have minor effects on the surrounding vegetation because the foot print of the proposed compressor station (approximately 400 square feet) is minimal. Other than the area encompassed by the compressor engine, no additional vegetation at the site would be disturbed for the project. The slight increase in NO_x , CO, and VOC emissions in the area from this project may have a minor effect on the surrounding vegetation; however, the air quality permit associated with this project would contain limitations to minimize the effect of the emissions on the surrounding environment.

E. Aesthetics

Construction of the compressor station will have minor impacts on the surrounding property from both the visual perspective, as well as noise pollution. However, most of the disturbance will be temporary, and once construction is complete, the natural landscaping and aesthetic value of the property will be restored. With the exception of some minimal noise from the operation of the compressor engine and the corresponding small compressor-building, the Department determined only minor changes in the aesthetic value of the site will be experienced.

F. Air Quality

The Department has determined that the compressor engine would emit small amounts of NO_x , CO, VOC and very small amounts of HAPs, PM_{10} , and SO_2 . However, air emissions from the facility would be minimized by conditions that would be placed in MAQP #3877-00. The applicant would be required to install the maximum air pollution control capability that is technically and economically feasible, except that BACT would be utilized. The permit would also include conditions requiring Genesis to use reasonable precautions to control fugitive dust emissions.

The Department believes controlled emissions from the source would not cause or contribute to a violation of any ambient air quality standard. Although deposition of pollutants would occur as a result of operating the facility, the Department determined that the impacts from deposition of pollutants would be minor due to dispersion characteristics of pollutants (stack height, stack temperature, etc.) and atmospheric conditions (wind speed, wind direction, ambient temperature, etc.). Therefore, any impacts to air quality from the proposed facility would be minor.

G. Unique Endangered, Fragile, or Limited Environmental Resources

The Department, in an effort to assess any potential impacts to any unique endangered, fragile, or limited environmental resources in the proposed area of operation (Section 36, Township 29 North, Range 5 West in Pondera County, Montana) contacted the Montana Natural Heritage Program (MNHP). Search results concluded that high concentrations of the Ferruginous Hawk, designated a sensitive species, are frequently located in or near the project area. Because the

compressor engine is relatively small with minor emissions, and there will be minimal disturbance of the property and the surroundings, the Department has determined that there will be a minor disturbance (if any) to unique, endangered, fragile, or limited environmental resources in the area.

H. Demands on Environmental Resource of Water, Air, and Energy

Genesis proposes to add a compressor engine near the existing gas line to increase the pressure of the gas entering the facility. As proposed, there will be no impact to water because the project will not use surface water or groundwater, nor will the project require any discharge to surface or groundwater. The proposed compressor engine will require energy to operate, and operation of the engine will cause a slight increase in emissions in the area, including: NO_x, CO, VOC, HAPs, PM₁₀, and SO₂. However, given the characteristics and concentration of pollutants emitted, the impacts on the water, air, and energy resources in the proposed project area would be minor due to the dispersion characteristics of pollutants (see section 7.F of this EA). Finally, because the project is small by industrial standards, the Department determined that impacts to the environmental resources would be minor.

I. Historical and Archaeological Sites

The Department contacted the Montana Historical Society, State Historical Preservation Office (SHPO), in an effort to identify any historical and archaeological sites that may be present in the proposed area of construction and operation. Search results concluded that there are no previously recorded historical or archaeological resources of concern within the proposed area. According to the SHPO, there would be a low likelihood of adverse disturbance to any known archaeological or historic site. Therefore, no impacts upon historical or archaeological sites would be expected as a result of installing a compressor engine at the Lake Frances Facility.

J. Cumulative and Secondary Impacts

The proposed project would cause minor effects on the physical and biological aspects of the human environment because the project would only cause a slight increase in emissions of NO_x , CO, and VOC in the proposed area. Conditions placed in MAQP #3877-00 ensure that only minor air quality impacts would occur. Limitations would be established in the permit to minimize air pollution. Overall, any impacts to the physical and biological environment would be minor.

8. The following table summarizes the potential economic and social effects of the proposed project on the human environment. The "no-action" alternative was discussed previously.

		Major	Moderate	Minor	None	Unknown	Comments Included
A	Social Structures and Mores				X		Yes
В	Cultural Uniqueness and Diversity				X		Yes
С	Local and State Tax Base and Tax Revenue			X			Yes
D	Agricultural or Industrial Production			X			Yes
Е	Human Health			X			Yes
F	Access to and Quality of Recreational and Wilderness Activities			X			Yes
G	Quantity and Distribution of Employment			X			Yes
Н	Distribution of Population				X		Yes
I	Demands for Government Services			X			Yes
J	Industrial and Commercial Activity			X			Yes
K	Locally Adopted Environmental Plans and Goals			X			Yes
L	Cumulative and Secondary Impacts			X			Yes

SUMMARY OF COMMENTS ON POTENTIAL ECONOMIC AND SOCIAL EFFECTS: The following comments have been prepared by the Department.

A. Social Structures and Mores

The proposed project would not cause disruption to any native or traditional lifestyles or communities (social structures or mores) in the area because the proposed project is located in a remote area. The proposed project would not change the predominant use of the surrounding area and the facility would be relatively small by industrial standards.

B. Cultural Uniqueness and Diversity

The cultural uniqueness and diversity of the area would remain unchanged from the proposed project (no impact) because the project would take place in a remote location, where the footprint of the project will be minor, and predominant use of the area would remain the same. The applicant and the SHPO both reported that there are no known cultural resources located on or near the property. Therefore, the cultural uniqueness and diversity of the area would not be affected. The proposed project would not change the predominant use of the surrounding area and the facility would be relatively small by industrial standards.

C. Local and State Tax Base and Tax Revenue

The proposed project would result in minor, if any, impacts to the local and state tax base and tax revenue because the proposed project would not require any new permanent employees to be hired. In addition, only minor amounts of construction would be needed to complete the project.

D. Agricultural or Industrial Production

The past land use of the area was predominantly wheat fields. However, the land was recently enrolled in CRP. Generally this program encourages farmers to convert highly eroded cropland or other environmentally sensitive acreage to vegetation cover, such as, tame or native grasses. By enrolling in this program, the area would receive some benefits including: reduction in soil erosion, reduction of sedimentation in streams and lakes, improvements to water quality, and enhancement to forest and wetland resources. Due to the nature of the project and the history of oil and gas wells in the area, the area may see an increase in industrial production but will most likely remain a minor source of pollution. Overall, impacts to agricultural or industrial production would be minor.

E. Human Health

The proposed project would result in minor, if any, impacts to human health because of the relatively small quantity of potential emissions. As explained in Section 7.F of this EA, deposition of pollutants would occur. However, the Department determined that the proposed project would comply with all applicable air quality rules, regulations, and standards. These rules, regulations, and standards are designed to protect human health.

F. Access to and Quality of Recreational and Wilderness Activities

The proposed project would result in minor, if any, impacts on access to recreational and wilderness activities. Although the compressor building will be visible and produce some noise, it is located in a remote location where the impacts to the surroundings would be minor. In addition, it is unlikely that the proposed project would deny access to recreational and wilderness activities in the area.

G. Quantity and Distribution of Employment

The proposed project would not affect the quantity and distribution of employment because no permanent employees would be hired as a result of the proposed project. However, temporary construction-related positions could result from this project. Any impacts to the quantity and distribution of employment would be minor due to the relatively small size of the facility.

H. Distribution of Population

The proposed project would not affect distribution of population in the area because the facility would be located in a relatively remote location. The proposed project would not create any new permanent employment that would cause an increase or decrease in population.

I. Demands for Government Services

There would be minor impacts on demands of government services because additional time would be required by government agencies to issue MAQP #3877-00 and to monitor compliance with applicable rules and standards. In addition, the roads in the area may realize a minor increase in vehicle traffic. However, any impacts on government services to regulate would be minor due to the relatively small size of the operation.

J. Industrial and Commercial Activity

Only minor impacts would be expected from industrial and commercial activity because the proposed project is located in a remote location, and the compressor engine will occupy a small area. There will be a slight increase in activity during construction of the compressor station, but this would only be temporary. If any new oil & gas wells or additional compressor engines are added and they have a PTE greater than 25 tons per year of any regulated air pollutant, then the Department would require a MAQP. At that time, the Department would evaluate additional impacts to industrial and commercial activity for each proposed project.

K. Locally Adopted Environmental Plans and Goals

The Department is not aware of any locally adopted environmental plans and goals affected by issuing MAQP #3877-00. MAQP #3877-00 would contain limits for protecting air quality and keeping facility emissions in compliance with any applicable ambient air quality standards. Because the project is small, any impacts from the facility would be minor.

L. Cumulative and Secondary Impacts

Overall, cumulative and secondary impacts from the proposed project would result in minor impacts to the economic and social aspects of the human environment in the immediate area. Due to the relatively small size of the project, industrial production, employment, and tax revenue (etc.) would not be significantly impacted by the proposed project. The Department would not expect other industries to be impacted by the proposed project, and the Department would require that the facility operate in compliance with all applicable rules and regulations as outlined in MAQP #3877-00. In addition, cumulative impacts may result from other companies actively drilling in the natural gas field, but the company would likely apply for air quality permits for additional facilities.

Recommendation: No EIS is required.

If an Environmental Impact Statement (EIS) is not required, explain why the EA is an appropriate level of analysis: The current permitting action is for the construction and operation of a small booster compressor (natural-gas fired engine). MAQP #3877-00 would include conditions and limitations to ensure the facility would operate in compliance with all applicable rules and regulations. In addition, there are no significant impacts associated with this proposal.

Other groups or agencies contacted or which may have overlapping jurisdiction: Montana Historical Society – State Historic Preservation Office, Natural Resource Information System – Montana Natural Heritage Program

Individuals or groups contributing to this EA: Department of Environmental Quality – Air Resources Management Bureau.

EA prepared by: Jenny O'Mara

Date: October 11, 2006